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TITLE: SYNTHETIC LEATHER
PUBN-DATE: February 27, 1991

INVENTOR-INFORMATION:

NAME
HOSOKAWA, MASUO
MORIMOTO, MASUHIRO

ASSIGNEE-INFORMATION:

NAME
HOSOKAWA MICRON CORP

COUNTRY
N/A

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INT-CL (IPC): D06N003/00, D06N003/14

US-CL-CURRENT: 428/423.1, 428/904 , 442/108 , 442/FOR.166

ABSTRACT:

PURPOSE: To obtain synthetic leather having more excellent water resistance and durability than natural leather and excellent water vapor transmission and water absorption by coating nonwoven fabric, etc., with a synthetic resin solution blended with mixed powder of silk powder and natural leather powder.

CONSTITUTION: Mixed powder of silk powder and natural leather is blended with a synthetic resin to give a mixed resin solution, which is applied to a

substrate such as nonwoven fabric, dried and a pore-free coating film is formed or the substrate is immersed in a coagulating bath and a porous coating film is formed to give synthetic leather exceeding natural leather in microorganism resistance, having excellent flexibility and water vapor transmission.

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DERWENT-ACC-NO: 1991-105031

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TITLE: Synthetic leather with soft-feeling
and moisture-permeability - consisting of
coated film of e.g. polyurethane combined with silk
powder, natural leather powder, applied to substrate

PATENT-ASSIGNEE: HOSOKAWA MICRON KK[HOSON]

PRIORITY-DATA: 1989JP-0181596 (July 12, 1989)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: JP 03045785A

BASIC-ABSTRACT:

A synthetic leather (I) is prepd. by forming a coating film of a mixed liq. of (A) a synthetic resin with addn. of (B) silk-powder and (C) powder of natural-leather onto (D) a substrate. The (A) synthetic resin is pref. polyurethane. The (B) silk-powder: pref. that has mixed shapes: spiral or

irregular, of which average-dia.: pref. 15 microns. The
(C) powder of
natural-leather pref. has particle-dia.: 30 microns. Amt.
of the mixed powder
of the (B) and (C): pref. 10-80% per the mixed liq. of the
(A). The (D)
substrate is pref. woven-, knitted fabric, semi-prod. of
synthetic leather, or
that made by wet-method. Ratio of the (B)/(C) = pref. 5/1.

USE/ADVANTAGE - Synthetic leather has soft-feeling and
moisture-permeability,
water-permeability, non-static property comparable to
natural leather which has
excellent durability and anti-bacterial property as opposed
to natural leather.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SYNTHETIC LEATHER SOFT FEEL MOIST PERMEABLE
CONSIST COATING FILM
POLYURETHANE COMBINATION SILK POWDER NATURAL
LEATHER POWDER APPLY
SUBSTRATE

DERWENT-CLASS: A25 A82 F08

CPI-CODES: A03-C01; A11-B05D; A11-B05E; A12-B02A; F03-C05;
F03-E01; F04-B01;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0229 0231 1294 1986 2426 2427 2434 2506 2528
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